

[Print-Friendly](#)**Title:****PRODUCTION OF HYDRAULIC INORGANIC COMPOSITION****Abstract:**

PURPOSE: To produce a large amount of a hydraulic inorganic composition having improved flexural strength, moldability and surface smoothness by dispersing given amounts of hemp fibers and a water-soluble polymer substance into water to give a slurry and blending the slurry with the residual hydraulic inorganic substance.

CONSTITUTION: 0.5-25wt.% hemp fiber such as Manila fiber having 2-40mm average fiber length and thickness of 1.5-20 denier and 0.1-33wt.% water-soluble polymer substance such as methyl cellulose are dispersed into 20-100 pts.wt. water to give a slurry. Then the slurry is blended with 100 pts.wt. hydraulic inorganic substance such as Portland cement to give a mixture. The mixture is optionally blended based on 100 pts.wt. hydraulic inorganic substance in the mixture with 20 pts.wt. reinforcing fibers such as vinylon having thickness of 0.1-40 denier and 1-15mm length and 100 pts.wt. inorganic filler such as perlite having 0.03-500 m average particle diameter to produce to objective hydraulic inorganic composition.

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Assignee: *SEKISUI CHEMICAL CO LTD*
Inventor: *NAKANO TATSUTOSHI*
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JP5229859A PRODUCTION OF HYDRAULIC INORGANIC COMPOSITION

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Inventors: **NAKANO TATSUTOSHI**
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